

```

OPTIONS PAGENO=1;

DATA BASELINEALL;
  LENGTH SITE $20;
  INFILE BaselineSAS\BaselineSas.TXT' DLM = ',' ;
  INPUT PATNO$ site group$ priordaysonevent pbw vsimv$ psvp$ 
        assist$ pcvp$ pcirv$ other$ AGE
        gender$ APACHE TV TVKG pplat peakP PEEP FIO2 PAO2
        PACO2 ARTPH dead$ deadday uab28$ uab28day icu28$ icu28day dis_alive$
        disaliveday vfd bardays cardio cns coag renal hepatic;
  *this reads in the FOIA dataset labeled "baselineSAS";

COMP= (TVKG/(PPLAT-PEEP));
O2Ratio=PAO2/FIO2;
if o2ratio ge 140 then hi_o2ratio=1;else hi_o2ratio=0;

if comp lt .405 then comp4=1;
if comp ge .405 and comp lt .503 then comp4=2;
if comp ge .503 and comp lt .612 then comp4=3;
if comp ge .612 then comp4=4;
if comp=. then comp4=.;

*      IF COMP=. THEN DELETE;

reason=group;
if dead='No' then newdead=0;
if dead='Yes' then newdead=1;
in_study=1;
RUN;

proc freq;
  tables hi_o2ratio*group*newdead;
  run;

TITLE;
OPTIONS PAGENO=1;
DATA SCREEN;
  length REASON $35;
  INFILE 'screen.TXT' DLM=',' ;
  INPUT PATNO$ site$ VDATE:MMDDYY8. scre1$ scre2$ scre3$ PAO2 FIO2
  FDATE:MMDDYY8.
        gender$ ethnic$ AGE locat$ LOCOTH$ rsicu$ reason trauma$
        sepsis$ multran$ aspir$ pneum$ other$ OTHTXT$ UNASSIS:MMDDYY8.
  DISCH:MMDDYY8. disstat$;

  *this reads in the FOIA dataset labeled "screen";

IF REASON = 'Informed consent not obtained' THEN REASON= 'Patient Unable';

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IF REASON IN ('Inclusion Criteria >36 hrs', 'MD Refuses', 'Not excluded', 'Other
Trials 30 Days' 'Patient Refuses',
'Patient Unable') THEN INCLUSION=1; /*These represent our patients to include*/
ELSE INCLUSION=0;

O2Ratio=PAO2/FIO2;
if o2ratio ge 140 then hi_o2ratio=1;else hi_o2ratio=0;

IF LOCAT = 'Cardiac' then LOCAT='CCU';

if locat="SICU" then sicu=1;else sicu=0;

TITLE 'PaO2/FiO2 Ratio in SCREEN Stduy';

IF INCLUSION=0 THEN DELETE;
if disstat='Alive' then newdead=0;
if disstat='Dead' then newdead=1;
in_study=0;
data all;
set baselineall screen;
proc sort:by hi_o2ratio;

proc glm;
class in_study;
model o2ratio=in_study;
run;

```

PaO2/FiO2 Ratio in SCREEN Stduy

1

The FREQ Procedure

Table 1 of group by newdead
Controlling for hi_o2ratio=0

group	newdead		
Frequency			
Percent			
Row Pct			
Col Pct	0	1	Total
ffffffffff`ffffffffff`ffffffffff`			
12 ml/kg ,	141 ,	99 ,	240
	, 29.25 ,	, 20.54 ,	49.79
	, 58.75 ,	, 41.25 ,	
	, 47.64 ,	, 53.23 ,	
ffffffffff`ffffffffff`ffffffffff`			
6 ml/kg ,	155 ,	87 ,	242
	, 32.16 ,	, 18.05 ,	50.21
	, 64.05 ,	, 35.95 ,	
	, 52.36 ,	, 46.77 ,	
ffffffffff`ffffffffff`ffffffffff`			
Total	296	186	482
	61.41	38.59	100.00

Table 2 of group by newdead
Controlling for hi_o2ratio=1

group	newdead		
Frequency			
Percent			
Row Pct			
Col Pct	0	1	Total
ffffffffff`ffffffffff`ffffffffff`			
12 ml/kg ,	115 ,	74 ,	189
	, 30.34 ,	, 19.53 ,	49.87
	, 60.85 ,	, 39.15 ,	

6 ml/kg	44.57	61.16
	143	47
	37.73	12.40
	75.26	24.74
	55.43	38.84
Total	258	121
	68.07	31.93
		379
		100.00

Pa02/Fi02 Ratio in SCREEN Study

1

The GLM Procedure

Class Level Information

Class	Levels	Values
in_study	2	0 1

Number of Observations Read	3462
Number of Observations Used	3397

Pa02/Fi02 Ratio in SCREEN Study

2

The GLM Procedure

Dependent Variable: O2Ratio

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	186.11	186.11	0.04	0.8361
Error	3395	14758351.52	4347.08		
Corrected Total	3396	14758537.63			

R-Square	Coeff Var	Root MSE	O2Ratio Mean
0.000013	44.50466	65.93242	148.1472

Source	DF	Type I SS	Mean Square	F Value	Pr > F
in_study	1	186.1080827	186.1080827	0.04	0.8361

Source	DF	Type III SS	Mean Square	F Value	Pr > F
in_study	1	186.1080827	186.1080827	0.04	0.8361